

Comparisons of Job Characteristics

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Chemical Plant and System Operators (51-8091)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Chemical Plant and System Operators (51-8091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	17.6	8.5	<< Extensive education and/or training may be required
Mechanical	6.8	15.1	16.8	> Current knowledge level is likely sufficient
Chemistry	4.8	12.2	8.4	<< Extensive education and/or training may be required
Computers and Electronics	8.4	11.6	9.5	< Expanded education and/or training may be required
Public Safety and Security	6.9	10.5	12.1	> Current knowledge level is likely sufficient
Physics	4.3	7.2	8.8	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Chemical Plant and System Operators (51-8091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	15.9	16.0	0 Current skill level may be sufficient
Operation and Control	5.4	13.6	12.0	< A higher skill level may be required
Monitoring	9.9	12.9	11.6	< A higher skill level may be required
Quality Control Analysis	5.9	11.5	10.8	0 Current skill level may be sufficient
Repairing	3.4	7.5	8.4	> Skill level is likely sufficient
Equipment Maintenance	3.5	7.1	8.4	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Gas Plant Operators (51-8092)					
Associated Occupation: Chemical Plant and System Operators (51-8091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Selective Attention	8.7	12.8	9.8	<<	Extensive improvement in abilities may be required
Far Vision	7.8	11.6	9.7	<	Some improvement in abilities may be required
Perceptual Speed	7.4	11.4	12.8	>	Current ability level is likely sufficient
Auditory Attention	5.9	11.1	13.2	>	Current ability level is likely sufficient
Hearing Sensitivity	5.6	10.1	9.0	<	Some improvement in abilities may be required
Response Orientation	4.0	8.8	8.6	0	Current ability level may be sufficient
Speed of Closure	5.9	8.7	8.1	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	6.9	5.8	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 100
Focus Occupation: Gas Plant Operators (51-8092) Associated Occupation: Chemical Plant and System Operators (51-8091)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Analyze test information to determine equipment operating efficiency	89	
Clean equipment or machinery	20	
Confer with engineering, technical or manufacturing personnel	25	
Direct and coordinate activities of workers or staff	3	
Maintain consistent production quality	50	
Maintain or repair industrial or related equipment/machinery	39	
Maintain production or work records	19	
Monitor production machinery/equipment operation to detect problems	27	
Operate chemical processing equipment	77	
Read work order, instructions, formulas, or processing charts	9	
Test materials or solutions	73	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Chemical Plant and System Operators (51-8091)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.